

DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION
ACTIVITY REPORT: Scheduled Inspection

B249726373

FACILITY: DARTON ARCHERY EQUIPMENT		SRN / ID: B2497
LOCATION: 3540 DARTON RD, HALE		DISTRICT: Saginaw Bay
CITY: HALE		COUNTY: IOSCO
CONTACT:		ACTIVITY DATE: 07/23/2014
STAFF: Sharon LeBlanc	COMPLIANCE STATUS: Compliance	
SUBJECT: Scheduled site inspection of manufacturer of archery components.		SOURCE CLASS: MINOR
RESOLVED COMPLAINTS:		

On July 23, 2014, AQD District Staff conducted a scheduled-site inspection at Darton Archery Equipment (SRN B2497), 3540 Darton Road, Hale, Iosco County, Michigan. The site is considered a minor source.

Two Permits to Install are associated with the referenced facility and include 883-85 (woodworking and plastic/fiberglass machining operations with Carter Day dust collector) and 885-85 (gas fired bake oven). Three additional permits (884-85, 886-85 and 887-85) for paint spray booths and lines had been voided in November 1996.

Site inspection activities were conducted with the intent of confirming the operational status of the permitted equipment and that monitoring/reporting activities were being conducted per the referenced permit. Mr. Plude provided a tour of the facility, and general overview of operation and practices. No changes in equipment or process was reported at the time of the inspection.

FACILITY DESCRIPTION

The Darton Archery Equipment facility, is located just on the east side of Hale, Michigan, and is bounded to the west and north by residential properties and to the east and south by what appears to be agricultural property. The facility consists of two interconnected buildings, as well as one independent storage building and an enclosure that houses the roll-off used for collected particulate matter from the fabric filter collector (883-85 special condition 13).

The facility specializes in the manufacture of sporting and athletic goods, principally archery equipment. Potential sources of contaminants consist of various grinders, drills etc. which generate wood, fiberglass and/or plastic dust and particles, as well as volatiles associated with solvents, paints and glues used in the production of the various archery equipment. Production rates are demand oriented.

Emission controls onsite included one Carter Day dust collector (reverse jet dry bag filter) (883-85 special condition 12), which was located outside the building at a reported height of 18 feet above ground level. The unit is connected to a hood/vent system which is used to collect dust and particulate materials generated during production activities, remove the particulates and re-circulate the treated air back into the building. Collected material is transported by screw conveyor to the final collection point, from which it is transported offsite for disposal.

COMPLIANCE EVALUATION

Operational Status – During the facility tour the facility was not in full operation. No accumulation of particulate matter or cuttings generated during production activities were noted in the vicinity of the various work stations in the northern portion of the facility. Hoods for the work area appear to be in working appropriately. No visual emissions were noted at operating work stations (883-85 special condition 10).

In the attached paint building, the automated coating lines and gas-fired, bake oven were not in operation. The bake oven is reported to be a low-fire oven (approx. 105° F). The hand spray paint booth (s) were also not in use at the time of the visit.

The southern half of the main building housed the offices, packaging and some product completion/construction.

Material Usage Rates – This facility is predominantly a fabrication/assembly facility. No production of components was reported or observed at the time of the inspection. Material Usage appears to be limited to natural gas usage (gas fired bake oven) and paints/solvents (electrostatic and hand paint booths).

During the inspection, it was confirmed that the bake oven was gas-fired, and that no other fuel was used. (885-85 special condition 11).

Paints and coatings are used at various points in production, and are reported to be < 50 gallons per month.

Operational Parameters – Permit to Install 883-85, special condition 12 requires that the dust collector must be operating properly. The facility has reported that it conducts regular inspections and maintenance activities for the dust collector. No pressure gauges were reported to be present on the system.

Monitoring and Testing – No formal monitoring or testing requirements were required as part of Permits to Install 883-85 and 885-85. Visual Emissions of permitted equipment were unable to be conducted as part of the onsite inspection.

Record Keeping and Reporting – No specific record keeping or reporting requirements were identified in Permits to Install 883-85 and 885-85. Disposal documentation for collected particulate matter is reported below.

Other Requirements – Permit to Install 883-85, special condition 11, limits particulate emission to a not exceed limit of 0.01 pounds per 1,000 pounds of exhaust gas calculated on a dry gas basis. Operational Memo No. 14, the 0.010 pounds of particulate matter in 1,000 lbs of exhaust gas would equate to a visual emission limit of 5 % or less which they met.

Permit to Install 883-85, special condition 13, requires the disposal of collected air contaminants to be performed in a manner which minimizes the introduction of air contaminants to the outer air. Particulate materials collected by the Carter Day dust collector is ultimately collected in a lined roll-off housed in an enclosure adjacent to the dust collector. When full the facility reports that the lined roll-off is transported off site for disposal at a land fill by the contractor.

Summary

On July 23, 2014, AQD District Staff conducted a scheduled-site inspection at Darton Archery Equipment (SRN B2497), 3540 Darton Road, Hale, Iosco County, Michigan. The site is considered a minor source.

Two Permits to Install are associated with the referenced facility and include 883-85 (woodworking and plastic/fiberglass machining operations with Carter Day dust collector) and 885-85 (gas fired bake oven). Three additional permits (884-85, 886-85 and 887-85) for paint spray booths and lines had been voided in November 1996.

Based on the information collected during the July 23, 2014, site visit, it appears that the facility is being operated in compliance with its PTIs. sgl

NAME Sharon LeBlanc DATE 8/12/14 SUPERVISOR C. Pine